

WHAT IS CLAIMED IS:

1. A recording medium having a data structure for managing reproduction of still pictures, comprising:

a navigation area storing at least one playlist, a first entry point map and a second entry point map, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first file, the sub-playitem providing navigation information for reproducing audio data from a second file, the first entry point map including at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio data.

2. The recording medium of claim 1, wherein the entry point of the first entry point map provides an address of the still picture.

3. The recording medium of claim 1, wherein

the playitem provides navigation information for reproducing a plurality of still pictures; and

the first entry point map includes an entry point, associated with each still picture, that points to the associated still picture.

4. The recording medium of claim 3, wherein the second entry point map

includes a plurality of entry points, each entry point pointing to a point in the audio data.

5. The recording medium of claim 4, further comprising:

a data area storing a first clip file and a second clip file, the first clip file including the plurality of still pictures, and the second clip file including the audio data.

6. The recording medium of claim 1, wherein the second entry point map includes a plurality of entry points, each entry point pointing to a point in the audio data.

7. The recording medium of claim 1, further comprising:

a data area storing the first and second files.

8. The recording medium of claim 1, wherein

the playitem provides navigation information for reproducing presentation data from the first file, the presentation data includes at least the still picture and related data associated with the still picture.

9. The recording medium of claim 8, wherein the related data includes graphics data.

10. The recording medium of claim 8, wherein the related data includes subtitle data.

11. The recording medium of claim 8, wherein the presentation data is divided into one or more still picture units such that each still picture unit includes at least one still picture and associated related data.

12. The recording medium of claim 11, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

13. The recording medium of claim 12, wherein each elementary stream of the presentation data are aligned within the still picture unit.

14. The recording medium of claim 13, wherein each elementary stream is a packetized elementary stream.

15. The recording medium of claim 14, wherein each still picture unit includes one packet from each packetized elementary stream.

16. The recording medium of claim 1, further comprising:

a data area storing the first file, and the first file does not include audio data.

17. A recording medium having a data structure for managing reproduction of still pictures, comprising:

a navigation area storing at least one playlist, a first entry point map and a second entry point map, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first data stream, the sub-playitem providing navigation information for reproducing an audio stream from a second data stream separate from the first data stream, the first entry point map including at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio stream.

18. A method of recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

recording at least one playlist, a first entry point map and a second entry point map on the recording medium, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first file, the sub-playitem providing navigation information for reproducing audio data from a second file, the first entry point map including at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio data.

19. A method of reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

reproducing at least one playlist, a first entry point map and a second entry point map from the recording medium, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first file, the sub-playitem providing navigation information for reproducing audio data from a second file, the first entry point map including at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio data.

20. An apparatus for recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

a driver for driving an optical recording device to record data on the recording medium;

a controller for controlling the driver to record at least one playlist, a first entry point map and a second entry point map on the recording medium, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first file, the sub-playitem providing navigation information for reproducing audio data from a second file, the first entry point map including

at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio data.

21. An apparatus for reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

- a driver for driving an optical reproducing device to reproduce data recorded on the recording medium;

- a controller for controlling the driver to reproduce at least one playlist, a first entry point map and a second entry point map from the recording medium, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing at least one still picture from a first file, the sub-playitem providing navigation information for reproducing audio data from a second file, the first entry point map including at least one entry point pointing to the still picture, and the second entry point map including at least one entry point pointing to the audio data.